



HEALTH AFFAIRS

**OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE**

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MEMORANDUM FOR DEPUTY SURGEON GENERAL OF THE ARMY  
DEPUTY SURGEON GENERAL OF THE NAVY  
DEPUTY SURGEON GENERAL OF THE AIR FORCE  
PROGRAM EXECUTIVE OFFICER MILITARY HEALTH  
SYSTEM JOINT MEDICAL INFORMATION SYSTEMS  
OFFICE  
DIRECTOR NETWORK OPERATIONS DIVISION  
INFORMATION MANAGEMENT, TECHNOLOGY &  
REENGINEERING  
CHIEF ENTERPRISE ARCHITECT, MILITARY HEALTH  
SYSTEMS

SUBJECT: Military Health System Minimum Server Hardware Guidance

This memorandum supersedes the "Military Health System (MHS) Minimum Server Hardware Guidance," dated December 5, 2005 and updates guidance for minimum Server hardware requirements for all acquisitions using Defense Health Program funds. This policy/guidance is policy for all MHS centrally managed Information Systems (ISs) and networks under the authority of the MHS CIO, and it is guidance for Service specific applications. This guidance was developed, coordinated, and approved by the MHS Technical Integration Working Group.

New servers or upgrades must satisfy minimum requirements stipulated in the Attachment, MHS Minimum Server Configuration. The configuration depicted should satisfy the requirements of most common use servers such as print, file, and e-mail servers while being scalable to satisfy more robust processing requirements. For application servers hosting centrally managed systems, it is the responsibility of the Program Manager to specify a JMISO-approved configuration which will meet anticipated user loads. Migration to Enterprise Blade Servers (EBS) is the preferred solution. Programs adopting configurations for application servers that do not utilize EBS must substantiate their configurations to JMISO from a technological or life cycle cost perspective. Parameters describing the MHS Minimum Server Configuration can be exceeded, when necessary, to meet specific needs. Server-sizing assistance may be requested from the Tri-Service Infrastructure Management Program Office. Industry technical advisors recommend planning a three-to-four year replacement strategy for servers.

This guidance will be updated either annually or as required to reflect advances in technology, product availability, and market support. For additional information, please contact the Office of Technology Management, Integration and Standards at (703) 681-8786 or by electronic mail at [tmisweb@tma.osd.mil](mailto:tmisweb@tma.osd.mil).

A handwritten signature in black ink, appearing to read 'C. Hendricks', with a stylized flourish at the end.

Carl E. Hendricks  
Chief Information Officer  
Military Health System

Attachment:  
As stated

### Military Health System (MHS) Minimum Server Configuration

ITEM	MINIMUM CONFIGURATION
Operating System	IAW MHS Operating System Guidance
Processor	Dual Intel (or equivalent)
Processor Speed	2.8 GHz
Data Path Width	32 bits
BIOS	Flash upgradable, Plug-n-Play compatible
L2 Cache	2 MB
Power Supply	110/240 Universal Switchable
EPA Energy Star Compliant	Yes
RAM – Initial	1 GB
RAM – Expanded	4 GB
Video Controller: Type Video RAM Resolution	PCI 16 MB 1280 x 1024 pixels, 64-bit
Network Interface Card: Support Compatibility	Driver support for Windows 2000 or 2003 10/100 Mb/s Ethernet Tx SNMP IP and Plug-‘n-Play
Expandability: PCI Expansion Slots PC- Card Slots External Expansion Bays	6 2 PCI express 4 PCI/PCI-X 2 (tower only requirement)
Serial Ports	2 (16550A UART or USB)
IPv6	Must be IPv6 capable in accordance with DoD Memorandum “Internet Protocol Version 6 (IPv6) Interim Transition Guidance” dated September 29, 2003

OPTIONAL ITEMS	MINIMUM CONFIGURATION
*Hard Drive	3 drives, 18 GB each. (RAID 5 recommended for critical use servers)
*Disk Controller	SATA, SCSI-3 (ultra-wide caching) or SCSI Ultra 320
* Floppy Drive	1, 3.5 In., 1.44 MB
* CD-ROM Drive	ISO 9660 compliant
* Video Monitor Size	Color 17 inches
* Parallel Ports	1 (AT type, EPP, or ECP)

OPTIONAL ITEMS	MINIMUM CONFIGURATION
* Pointing Device	Wheel Mouse
* Tape Drive Storage Capacity	4 mm digital audio tape (DAT) 20 GB
* UPS (Uninterruptible Power Supply)	Optional based upon existing UPS capacity/requirements
*Common Access Card (CAC) Reader and Appropriate Middleware	Compliant with DoD/Service/Component specifications

\* Note: Optional based on technical requirements